

CURVE TABLE								
CURVE	RADIUS	LENGTH	TANGENT	DELTA	CHORD			
C1	162.00'	127.44'	67.22'	45'04'15"	N39°38'42"W 124.17'			
C2	300.00'	57.25'	28.71	10*56'04"	S22*34'36"E 57.17'			

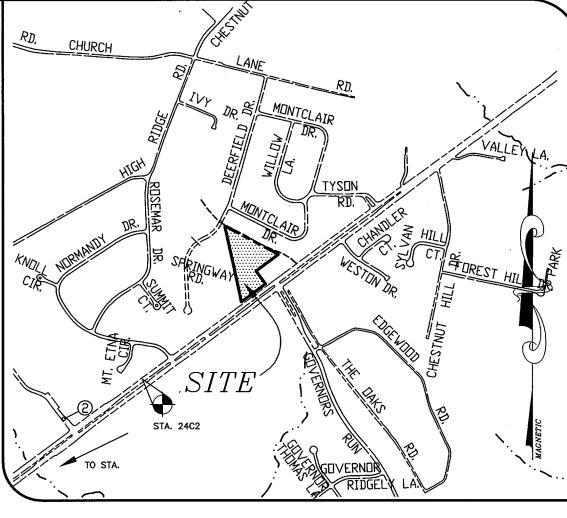
SHEET INDEX

SHEET	TITLE
1	PRELIMINARY EQUIVALENT SKETCH PLAN
2	PRELIMINARY GRADING AND SEDIMENT CONTROL PLAN
2	PRELIMINARY LANDSCARE AND EOREST CONSERVATION DIAN

NOTE:

ALL PROPOSED STORMDRAIN IS 18" HDPE

	MINIMUM L	OT SIZE	TABLE
LOT NO.	MINIMUM LOT AREA	PIPESTEM	TOTAL LOT AREA
1	12,158 sq.ft.	757 sq.ft.	12,915 sq.ft.
2	12,031 sq.ft.	1,187 sq.ft.	13,218 sq.ft.
3	12,180 sq.ft.	1,441 sq.ft.	13,621 sq.ft.
4	12,012 sq.ft.	1,689 sq.ft.	13,701 sq.ft.
5	12,002 sq.ft.	1,759 sq.ft.	13,761 sq.ft.
6	12,019 sq.ft.	1,922 sq.ft.	13,941 sq.ft.
7	13,460 sq.ft.	1,358 sq.ft.	14,818 sq.ft.
8	13,106 sq.ft.	979 sq.ft.	14,085 sq.ft.



VICINITY MAP

SCALE : 1"=1000'

GENERAL NOTES:

1. SITE DATA:

ZONING R-20 (ZON TAX MAP 18 PARCEL 59 BLOCK 19 R-20 (ZONING MAP DATED OCTOBER 18, 1993)

DEED REFERENCE : GROSS AREA 4.49 ACRES ± AREA OF WETLANDS 0.33 ACRES MINIMUM LOT SIZE: 12,000 SQ. FT. NUMBER OF ALLOWED BUILDABLE LOTS :

- 2' TOPOGRAPHY FOR THE DEVELOPED AREAS IS BASED ON A FIELD RUN SURVEY BY MILDENBERG BOEONDER AND ASSOC. ON OR ABOUT SEP. 2001.
- 3. BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON SITE.
- 4. SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY DATED 1968, SHEET 5.
- PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT. PUBLIC WATER AND SEWER WILL BE UTILIZED.
- 6. WETLAND STUDY PREPARED BY WILDMAN ENVIRONMENTAL SERVICES, INC. IN JAN. 2002.
- 8. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR
- FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS: WIDTH - 12 FEET (14 FEET SERVING MORE THAN ONE RESIDENT). SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING.
- GEOMETRY MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45-FOOT RADIUS. STRUCTURES (CULVERT/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING). E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
- STRUCTURE CLEARANCES MINIMUM 12 FEET MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.
- 9. NO STRUCTURES EXIST ON SITE
- 10. ALL STORM DRAIN PIPES ARE 18" HDPE.
- 11. THIS PLAN IS SUBJECT TO COMPLIANCE WITH THE FIFTH EDITION OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE ZONING REGULATIONS PER COUNCIL BILL 50-2001. 12. NO STEEP SLOPES EXIST ON SITE.
- 13. THE FILLET RADIUS FOR THE T TURNAROUND IS 20'.
- 14. SWM IS PROVIDED VIA A PRIVATELY OWNED AND MAINTAINED BIO-RETENTION FACILITY. 15. THE COORDINATES SHOWN HEREON ARE BASED ON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED
- UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT Nos. 18G1 AND 24C2 WERE USED FOR THIS PROJECT. 18G1 N 589984.951 E 1367750.255 EL. 408.491
- 24C2 N 588648.312 E 1366038.195 EL. 353.760
- 16. THE FLOODPLAIN STUDTY FOR THIS PROJECT WAS PREPARED BY MILDENBERG BOENDER AND ASSOCIATES ON OR ABOUT JUNE 2002. AND WAS APPROVED ON JAN. 17, 2003.
- 17. THE TRAFFIC STUDY WAS PREPARED BY MARS GROUP ON OR ABOUT JULY 2002 AND WAS APPROVED ON JAN. 17, 2003. 18. THE NOISE STUDY WAS PREPARED BY WILDMAN ENVIROMENTAL ON OR ABOUT JULY 2002 AND WAS APPROVED ON JAN. 17, 2003.
- 19. FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT FOR THIS SUBDIVISION WILL BE FULFILLED BY THE RETENTION OF 0.89 ACRES (38,768.4 SQ. FT.) AND FEE-IN-LIEU OF REFORESTATION OF 0.78 ACRES (33,976.8 SQ. FT.).

IN THE AMOUNT OF \$16,988.40. FINANCIAL SURETY FOR THE ON-SITE RETENTION WILL BE POSTED AS

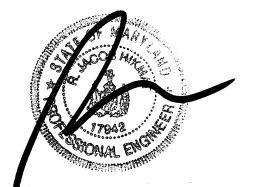
- PART OF DPW DEVELOPERS AGREEMENT AND FEE-IN-LIEU PAID AT THE FINAL PLAN STAGE. 20. THIS SUBDIVISION IS IN COMPLIANCE WITH SECTION 16.124 OF HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- 21. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING WILL BE POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT AT THE FINAL PLAN STAGE.
- 22. FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND ROAD RIGHT-OF-WAY LINE AND NOT TO THE PIPESTEM LOT DRIVEWAY.
- 23. FOR DRIVEWAY INTERSECTION DETAIL USE HOWARD COUNTY STANDARD DETAILS R-6-.05 24. THE GEOTECHNICAL REPORT FOR THIS PROJECT WAS PREPARED BY GILES ENGINEERING ASSOCIATES ON OR AROUND
- MAY, 2002, AND WAS APPROVED ON JAN. 17, 2003.

STREET NAME	STATION	OFFSET	FIXTURE/POLE TYPE
FOX CHAPEL COURT	0+22	15' RT	100 watt HPS VAPOR COLONIAL POST-TOP MOUNTED ON A 14' FIBERGLASS POLE

25. THE STREET LIGHT LOCATIONS AND TYPES OF LIGHTS ARE AS FOLLOWS:

$\underline{\textit{LEGEND}}$

DENOTES WETLANDS



TENTATIVELY APPROVED **DEPT. OF PLANNING AND ZONING** C HOWARD COULT

PLANNING DIRECTOR

FOREST CONSERVATION EASEMENT PROPOSED PRIVATE USE-IN-COMMON DRIVEWAY EASEMENT PROPOSED PAVEMENT EXISTING PUBLIC SEWER AND UTILITY EASEMENT NON CREDITED OPEN SPACE

100 YR FLOODPLAIN EASEMENT

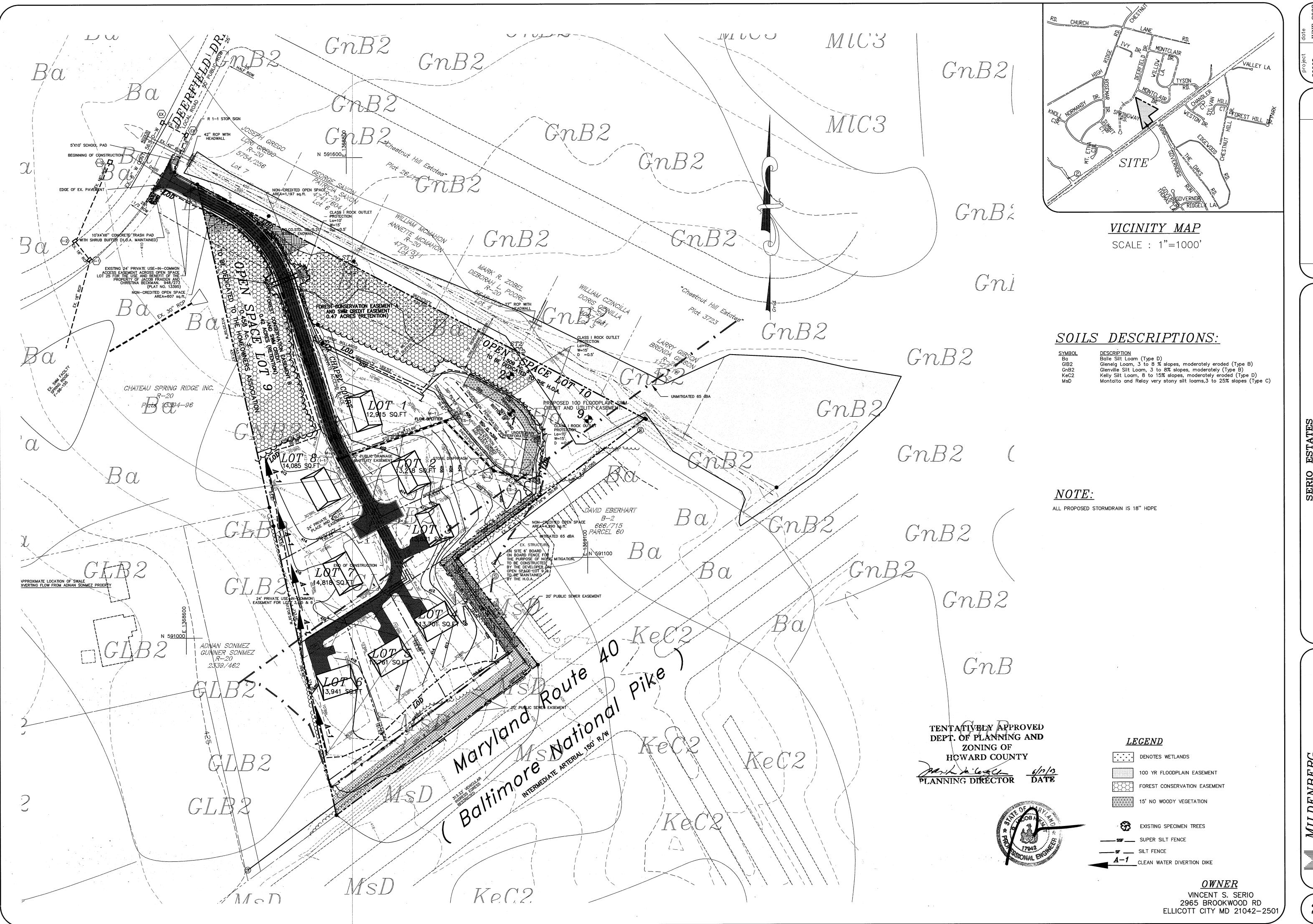
<u>OWNER</u> VINCENT S. SERIO 2965 BROOKWOOD RD

ELLICOTT CITY MD 21042-2501

SER

1 of 3

SP-02-010



HOWARD COUNTY
CONTROL PLAN

GRADING

INC.

MILDENBERG, BOENDER & ASSOC.

2 of 3

166.58 LF

0 SHRUBS

3 SHADE TREES

O EVERGREEN TREES O EVERGREEN TREES O EVERGREEN TREES 8 EVERGREEN TREES O EVERGREEN TREES

290.86 LF

YES, 175 LF OF EX. TREES TO REMAIN

2 SHADE TREES

0 SHRUBS

LINEAR FEET OF PERIMETER

(YES, NO, LINEAR FEET)

EVERGREEN TREES

SHADE TREES

NUMBER OF PLANTS REQUIRED

EXISTING SPECIMEN TREES

-TPF - TREE PROTECTIVE FENCING

FOREST CONSERVATION EASEMENT (RETENTION)

FOREST CONSERVATION SIGNAGE

629.55 LF

TREES TO REMAIN

0 SHRUBS

2 SHADE TREES

CREDIT FOR EXISTING VEGETATION YES, 500 LF OF EX.

313.33 LF

6 SHADE TREES

0 SHRUBS

775.60 LF

0 SHRUBS

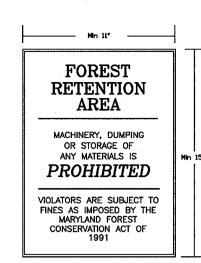
YES, 320 LF OF EX.

TREES TO REMAIN

8 EVERGREEN TREES

0 SHRUBS

SPECIMEN TREES KEY SPECIES ST1 34" PIN OAK ST2 30" ELM

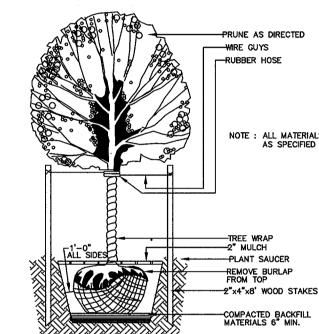


SIGNAGE DETAILS

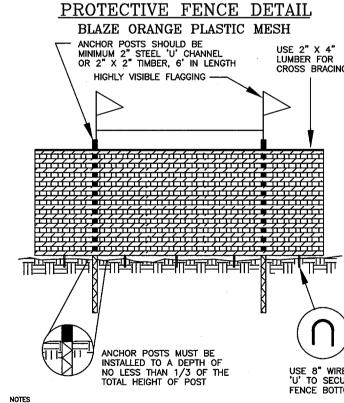
NOT TO SCALE

NOTE:

ALL PROPOSED STORMDRAIN IS 18" HDPE



TYPICAL DECIDUOUS TREE PLANTING DETAIL NOT TO SCALE



NOTE: THIS DRAWING IS TO BE USED FOR PRELIMINARY LANDSCAPE & FOREST CONSERVATION PLAN PURPOSES ONLY.

GENERAL NOTES

- 1. FOREST CONSERVATION EASEMENTS HAVE BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.200 OF HOWARD COUNTY FOREST CONSERVATION ACT. NO CLEARING, GRADING, OF CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT, EXCEPT AS SHOWN ON AN APPROVED ROAD CONSTRUCTION DRAWING OR SITE DEVELOPMENT PLAN. HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OR CONSERVATION EASEMENT ARE ALLOWED.
- 2. FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT FOR THIS SUBDIVISION WILL BE FULFILLED BY THE RETENTION OF 0.89 ACRES (38,768.4 SQ. FT.) AND FEE-IN-LIEU OF REFORESTATION OF 0.78 ACRES (33,976.8 SQ. FT.). IN THE AMOUNT OF \$16,988.40. FINANCIAL SURETY FOR THE ON-SITE RETENTION WILL BE POSTED AS PART OF DPW DEVELOPERS AGREEMENT AND FEE-IN-LIEU PAID AT THE FINAL PLAN STAGE.
- THIS SUBDIVISION IS IN COMPLIANCE WITH SECTION 16.124 OF HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- 4. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING WILL BE POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT AT THE FINAL PLAN STAGE.
- 5. NO SWM LANDSCAPING IS REQUIRED. A BIORETENTION FACILITY IS PROPOSED. AT FINAL PLAN STAGE, SUPPLEMENTAL PLANTINGS WILL BE PROVIDED ON OPEN SPACE LOT 10 ADJACENT TO THE REAR OF LOTS 1 THRU 3.

I. BASIC SITE DATA

FOREST CONSERVATION DATA

GROSS SITE AREA AREA WITHIN 100 YEAR FLOODPLAIN AREA WITHIN AGRICULTURAL USE OR PRESERVATION PARCEL NET TRACT AREA LAND USE CATEGORY RESIDENTIAL - SUBURBAN II. FOREST CONSERVATION WORKSHEET DATA SUMMARY	4.49 0.28 0.00 4.21
B. REFORESTATION THRESHOLD (20%) C. AFFORESTATION MINIMUM (15%) D. EXISTING FOREST ON NET TRACT AREA E. FOREST AREAS TO BE CLEARED F. FOREST AREAS TO BE RETAINED	0.84 0.63 4.21 3.32 0.89
IV. REFORESTATION CALCULATIONS	
G. FOREST AREAS CLEARED ABOVE REFORESTATION THRESHOLD H. FOREST AREAS CLEARED BELOW REFORESTATION THRESHOLD I. FOREST AREAS RETAINED ABOVE REFORESTATION THRESHOLD	
REFORESTATION FOR CLEARING ABOVE THRESHOLD CREDIT FOR FOREST AREAS RETAINED ABOVE THRESHOLD TOTAL REFORESTATION REQUIRED	0.83 0.05 0.78
TOTAL REFORESTATION PROVIDED	0.00
TOTAL FEE-IN-LIEU OF REFORESTATION TO BE PROVIDED AT FINAL PLAN STAGE	0.78

FOREST RETENTION NOTES

FOREST PROTECTION

- ALL FOREST RETENTION AREAS SHALL BE TEMPORARILY PROTECTED BY WELL ANCHORED BLAZE ORANGE PLASTIC MESH FENCING AND SIGHAGE AS INDICATED ON THE PLANS. THE DEVICES SHALL BE INSTALLED ALONG THE FOREST RETENTION BOUNDARY PRIOR TO ANY LAND CLEARING, GRUBBING, OR GRADING ACTIVITIES. THE FOREST PROTECTION DEVICES SHALL BE INSTALLED SUCH THAT THE CRITICAL ROOT ZONES OF ALL TREES WITHIN THE RETENTION AREA NOT OTHERWISE PROTECTED WILL BE WITHIN FOREST PROTECTION DEVICES. ALL PROTECTION DEVICES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION, INCLUDING SILT FENCE BEING USED AS PROTECTIVE FENCING. ALL DEVICES SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION HAS CEASED IN THE IMMEDIATE VICINITY. ATTACHMENT OF SIGNS, OR ANY OTHER OBJECTS TO TREES IS PROHIBITED. NO EQUIPMENT, MACHINERY, VEHICLES, MATERIALS OR EXCESSIVE PEDESTRIAN TRAFFIC SHALL BE ALLOWED WITHIN THESE PROTECTED AREAS. INSTALLATION AND MAINTENANCE OF PROTECTIVE FENCING AND SIGNAGE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL TAKE THE UTMOST CARE TO PROTECT TREE ROOT SYSTEMS DURING ALL CONSTRUCTION ACTIVITIES. TREE ROOT SYSTEMS SHALL BE PROTECTED FROM SMOTHERING, FLOODING, EXCESSIVE WETTING FROM DE-WATERING OPERATIONS, OFF-SITE RUN OFF, SPILLAGE AND DRAINING OF MATERIALS THAT MAY BE HARMFUL TO TREES.
- THE GENERAL CONTRACTOR SHALL PREVENT PARKING OF CONSTRUCTION VEHICLES AND EQUIPMENT, AND THE STORING OF BUILDING SUPPLIES OR STOCKPILING OF EARTH WITHIN FOREST CONSERVATION EASEMENTS. REMOVAL OF TOPSOIL OR ROOT MAT WITHIN THE TREE PRESERVATION
- AREA SHALL BE PROHIBITED.

 THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY TREES DAMAGED OR DESTROYED WITHIN THE FOREST CONSERVATION EASEMENTS. ROOT PRUNING SHALL BE USED AT THE LIMIT OF DISTURBANCE OR LIMIT OF GRADING WITHIN AND ADJACENT TO ALL PRESERVATION AREAS, AS NECESSARY.

PRE-CONSTRUCTION MEETING

1. AFTER THE BOUNDARIES OF THE FOREST RETENTION AREAS HAVE BEEN FIELD LOCATED AND MARKED, AND AFTER THE FOREST PROTECTION DEVICES HAVE BEEN INSTALLED, BUT BEFORE ANY OTHER DISTURBANCE HAS TAKEN PLACE ON SITE. A PRE-CONSTRUCTION MEETING SHALL TAKE PLACE ON SITE. THE DEVELOPER, CONTRACTOR OR PROJECT MANAGER, AND HOWARD COUNTY INSPECTORS SHALL ATTEND. THE PURPOSE OF THIS MEETING WILL BE:

- A. TO IDENTIFY THE LOCATIONS OF THE FOREST RETENTION AREAS, SPECIMEN TREES WITHIN 50 FEET OF THE LIMIT OF DISTURBANCE, LIMITS OF CONSTRUCTION, EMPLOYEE PARKING AREAS AND EQUIPMENT STAGING AREAS; INSPECT ALL FLAGGED BOUNDARIES AND PROTECTION DEVICES:
 - MAKE ALL NECESSARY ADJUSTMENTS; ASSIGN RESPONSIBILITIES AS APPROPRIATE AND DISCUSS PENALTIES.

CONSTRUCTION MONITORING

THE SITE SHALL BE INSPECTED PERIODICALLY DURING THE CONSTRUCTION PHASE OF THE PROJECT. A QUALIFIED PROFESSIONAL SHALL BE RESPONSIBLE FOR IDENTIFYING DAMAGE TO PROTECTED FOREST AREAS OR INDIVIDUAL TREES WHICH MAY HAVE BEEN CAUSED BY CONSTRUCTION ACTIVITIES, SUCH AS SOIL COMPACTION, ROOT INJURY. TRUNK WOUNDS. LIMB INJURY, OR STRESS CAUSED BY FLOODING OR DROUGHT CONDITIONS.
ANY SUCH DAMAGE THAT MAY OCCUR SHALL BE REMEDIED IMMEDIATELY USING APPROPRIATE MEASURES. SEVERE PROBLEMS MAY REQUIRE CONSULTATION WITH A PROFESSIONAL ARBORIST. THE CONSTRUCTION PROCEDURE SHALL NOT DAMAGE AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE AS DESIGNATED ON THE PLANS. ANY DAMAGE SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE

SATISFACTION OF THE DESIGN TEAM OR ENGINEER. TENTATIVELY APPROVED DEPT. OF PLANNING AND **ZONING OF**

DATE

<u>OWNER</u> VINCENT S. SERIO 2965 BROOKWOOD RD ELLICOTT CITY MD 21042-2501

PRELIMINARY

STREET TREE PLANTING SCHEDULE

QUANTITY SYMBOL BOTANICAL NAME PYRUS CALLERYANA 'REDSPIRE'

TOTAL
30 STREET TREES

COMMON NAME REDSPIRE PEAR

2 1/2" - 3" CAL.

HOWARD COUNTY

marsha de level-PLANNING DIRECTOR

MD DNR QUALIFIED PROFESSIONAL

* STEPHANIE DEMCHIK, RLA NO. 3038

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SP-02-010